

90-11.

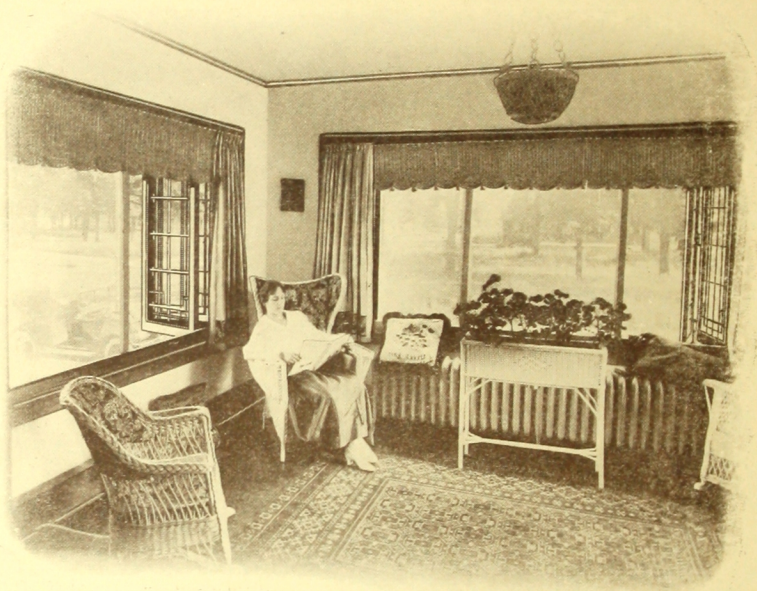
APR 9 - 1920

Progress In Windows



Whitney Window Corp.

Minneapolis, Minnesota



*An open screened porch which can be converted
into a Solarium or Sun Parlor by simply
closing the Whitney Windows.*

Copyright 1920
Whitney Window Corporation

721 48229-0601

Foreword

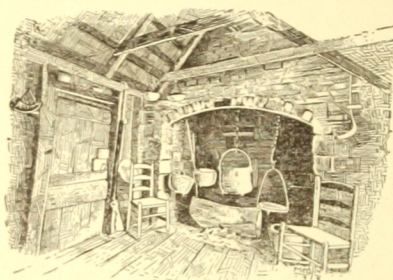
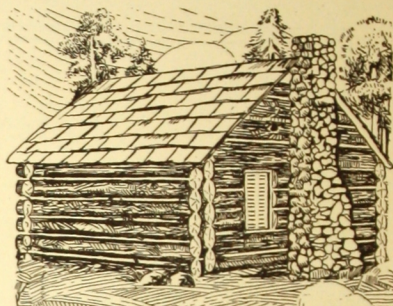
FROM Texas to Canada as well as in foreign countries thousands of homes, and many of the most modern schools, hospitals, hotels and public buildings testify to the popularity of Whitney Windows and the satisfaction they give in all climates.

Whitney Windows, including sash and frames in standard units fitted with hardware and with screens attached are supplied all ready to be set in the opening. Thus all difficulty in obtaining proper mill work or proper fitting of sash is eliminated, and your satisfaction guaranteed.

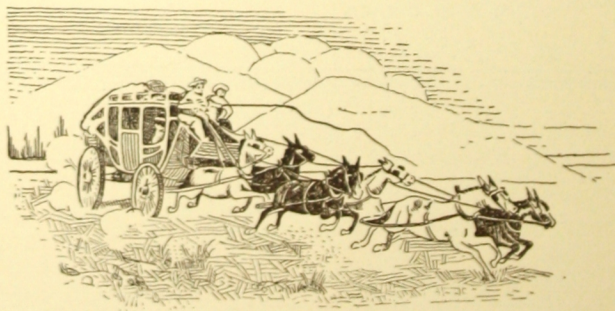
We believe the standard ready fitted units will best serve the architect, contractor and owner.

A FEW generations ago the dwelling place was a log cabin with a single door and nothing but shutters for a window. The advance in our plane of living is such that most of us today would find it hard to live under those conditions.

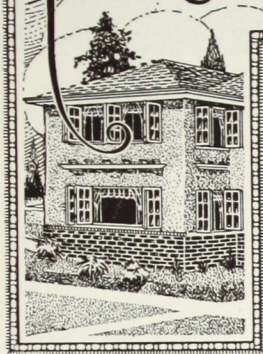
The old kitchen fireplace has given way to the modern gas and electric range. Modern bathrooms are now so general that we must smile when we think of the old-time Saturday night service of the family wash tub.



Transportation by stage-coach and ox caravan has become a memory. This is indeed an age of progress. Yet with all modern advancement, windows and window operation have, until recently, failed to keep pace. In this book you will read the interesting history of the development of window construction.



Progress in Windows

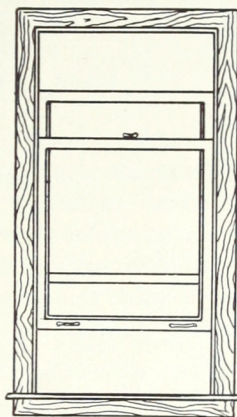


While we would not think of going back to the old woodshutters of log cabin days, we are prone to accept without question some of the antiquated types of windows and window operation which are not in keeping with the progress we have made in other home comforts.

To better illustrate this and to enlighten the present and prospective home owner we touch on the prominent characteristics of the various types of windows now in use.

The Check-Rail Window.

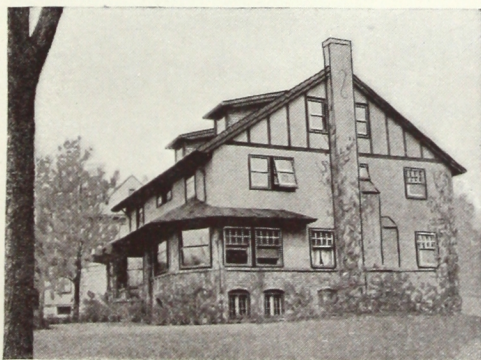
The most commonly used window is the check-rail, or up-sliding sash window. As with most old acquaintances, its faults are overlooked. The check-rail or meeting rail of the upper and lower sash generally appears opposite the eye line. Ordinarily not more than half of the window space is available for ventilation.

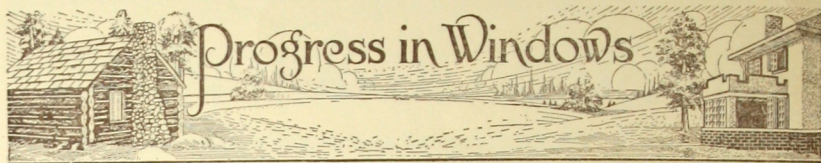


Storm Windows in Cold Climates.

Ease of operation is obtained at the expense of tightness. When cold weather arrives, a storm window must be applied, and then ventilation is almost impossible.

In other ways storm sash are a nuisance. Cleaning them, putting them up and repairing breakage is always dreaded. Weather conditions during spring and fall are so changeable as to require an almost daily shift from storm sash to screens and back again for complete comfort.



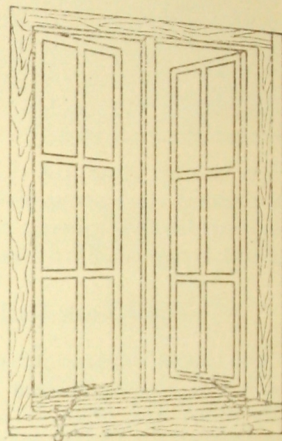


Out-Swinging Casement Windows

Out-swinging hinged casement sash used either singly or in pairs, permit of more graceful architecture and more beautiful effects than sliding sash. This window is in quite general use in European countries.

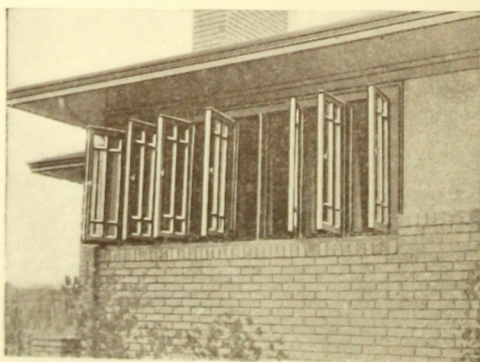
Hard to Clean.

This type of window must be fitted with enough clearance to operate easily, which makes it cold and drafty. These windows are hard to wash. When used on upper floors, the only way to wash the outside of them is by climbing a ladder on the outside of the house.



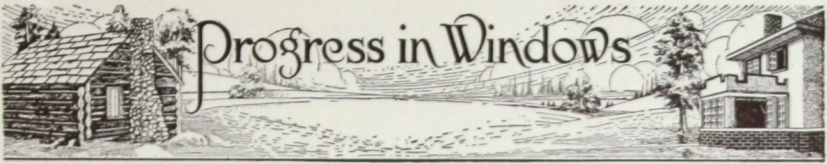
They are, however, watertight and swing outward out of the way,—two decided advantages.

Operating Devices.



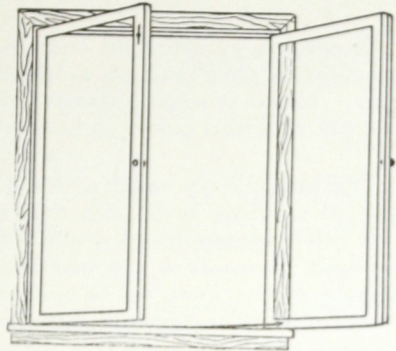
A typical group of hinged out-swinging casement windows.

To operate these windows through the screen, an adjusting arm with operating device is generally employed, as shown in illustration above. These operating devices are usually conspicuous and useless when windows swell or stick.



In-Swinging Casement Windows

In-swinging hinged casement sash are frequently used. Their initial cost is small. They are generally leaky. The inside sill or stool must be as low as the bottom of the sash to permit the sash to swing over it. A rain, especially accompanied by wind, is sure to force water under the sash, which means stained wall paper, ruined floors and general annoyance to the tidy housewife.

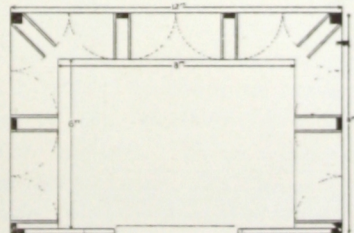


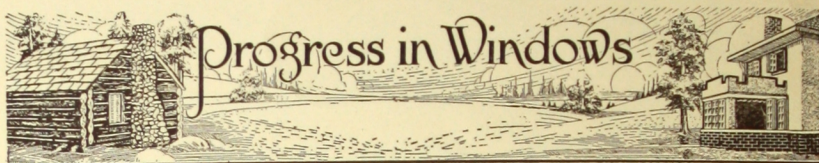
How in-swinging casement windows look from the street.

Draping Difficult—If the draperies and shades are attached directly to the sash, they are not in service when the windows are open, —an unsightly effect from without, and an inconvenience from within.

If mounted on the casing above the sash the draperies must be lifted and held above the top of the windows whenever opened and closed. Many valuable draperies have been sheared and torn by careless handling or by sash being slammed shut in a gust of wind.

Waste Floor Space—Such windows also cause considerable restriction of floor space. In small rooms it is almost impossible to allow space for the windows to stand out into the room. If held in place with adjusters to keep them from closing in the breeze this conspicuous hardware is also objectionable.





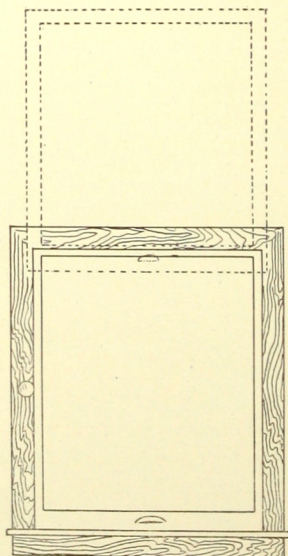
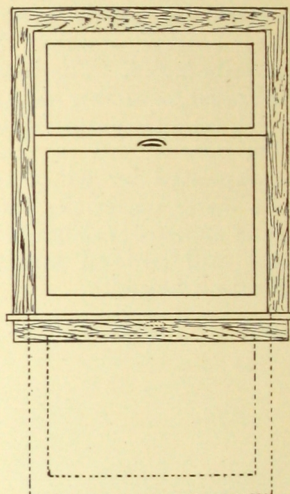
Drop Sill Windows

Street car or drop sill window construction is now used to a limited extent. These windows drop down inside the wall and out of sight.

The preliminary construction for this type of window is difficult and expensive. If wide openings are attempted, the sash themselves are too heavy to operate easily, even when counter-balanced. Moisture getting into the sash pockets usually causes the sticking of the sash and often a carpenter must be called under such conditions.

These windows also lack tightness. Narrow openings with light sash have frequent mullions or uprights that ob-

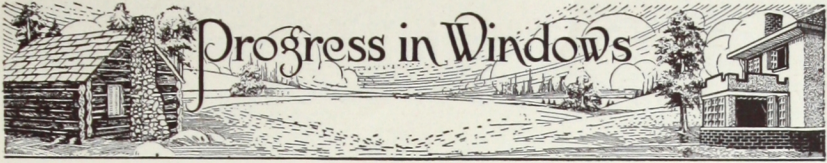
struct the view. Any settling of walls is disastrous to this type of window construction.



Slip Head Windows

Slip head construction is merely a reversal of the street car or drop sill construction, with all its disadvantages. The height of the windows must be reduced to permit sufficient space above the window frame for concealing sash.

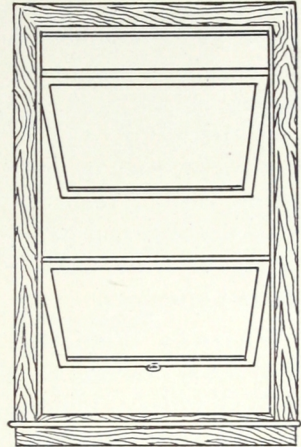
Slip head windows require special preparation of walls to receive the sash, are hard to operate, lack tightness and artistic beauty.



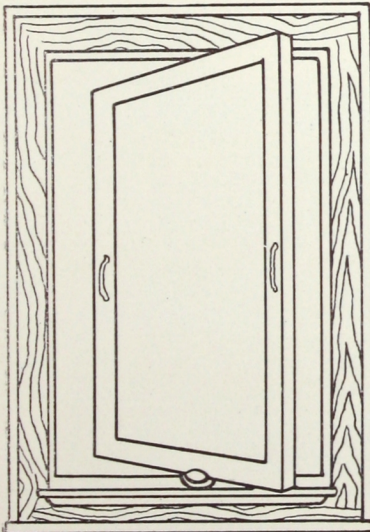
Tipping Windows

Horizontal tipping and completely reversing sash similar in design to the check rail window are sometimes used. Operation of such windows through the screen is difficult, requiring the removal of both upper and lower screen in some cases. Dust settles on the flat surface of the glass which necessitates frequent washing.

Special mill work is necessary and even when carefully fitted, windows of this kind are seldom found tight enough for cold climates. Hinged screens are generally used which interfere with draperies and shades.

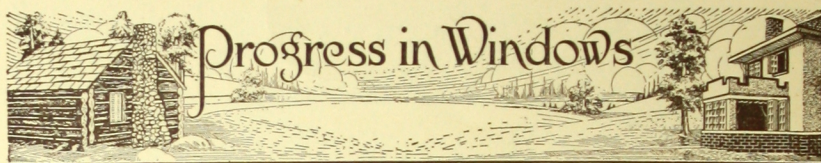


Pivoted Windows



Pivoted sash turning in the opening prevent screening, as a portion of the sash projects outward and another portion swings into the room.

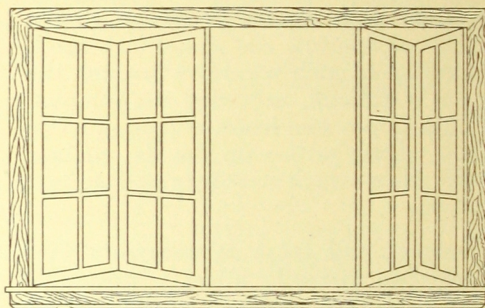
This type of window is used principally where no draping or fly screens are considered. Draperies attached to the sash are exposed to the weather when the window is open. These windows are often leaky and hard to operate.



Now We Come to a Real Achievement in Window Construction

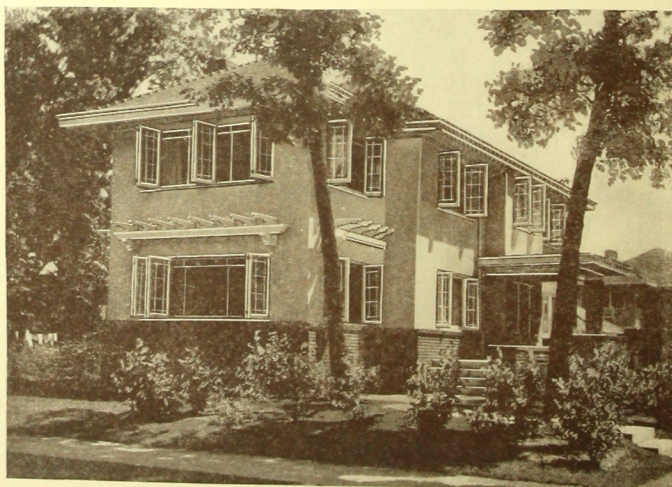
Whitney Windows

For years architects and engineers sought a window which was at once perfectly tight, waterproof, easy in operation, easily screened, easily draped, and permitting of wide unobstructed openings.

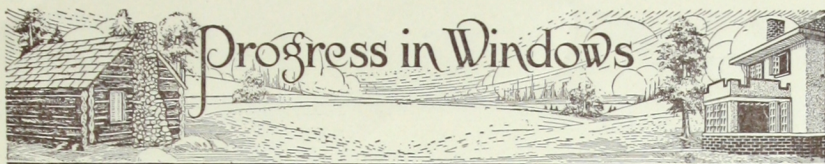


Whitney Windows fulfill these exacting requirements at a cost permitting their general use in all types of buildings.

Whitney Windows swing outward, out of the way. The stool or inside of the frame is higher than the bottom of sash and prevents leaking. They lend themselves most agreeably to artistic architectural effects.

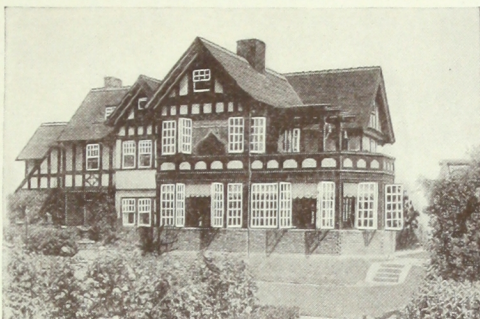


A Minneapolis home equipped entirely with Whitney Windows.



Fold In Pairs

Whitney Windows fold together in pairs, are self-adjusting and are held in position and supported by each other. When single sash are used in openings the Whitney Casement Window Hardware adjusts the sash in any position with easy access to both sides of the glass.

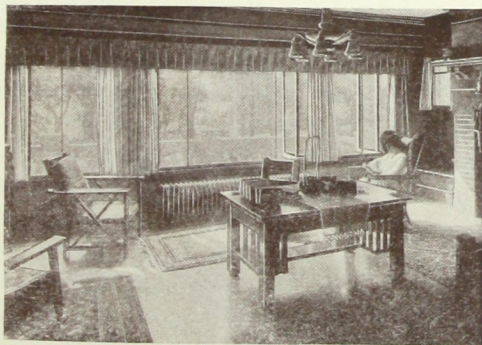


Easily Shaded and Draped

Whitney Windows may be shaded and draped as desired, as neither the sash nor the screens interfere in any way with the draping. The screens are inside the sash and slide upward a few inches to permit opening and closing of the sash.

The screens here are protected against weather and do not gather dust and rust as do outside screens. Inside screens last indefinitely and may be easily wiped off and dusted the same as window sill and casing.

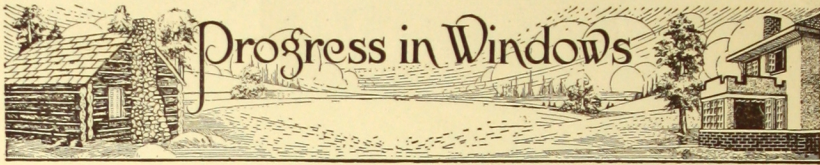
Screens Protected From Weather



Showing the comfort, the wide openings, the unobstructed view and the draping possibilities of Whitney Windows.

The more expensive metal screens in general use are all inside screens. Placing screens on the outside is merely a matter of habit and not from consideration of utility, service or practical usage.

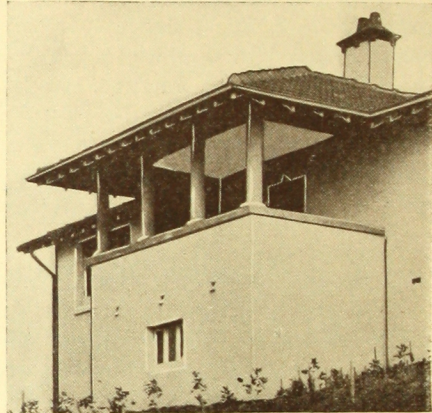
Whitney Windows fit tightly, yet they operate easily. The sash are wedged firmly between stops on both sides of the opening and are fitted a little over size in width. The toggle action leverage forces the sash tightly shut with the greatest ease.



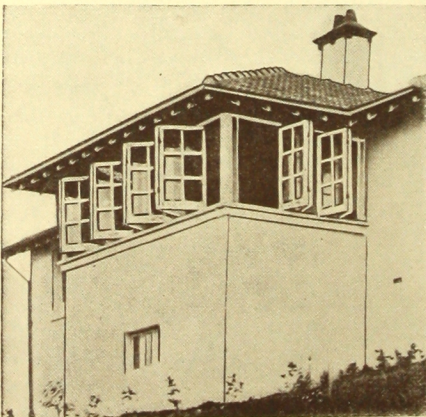
Ideal Sleeping Porches

Whitney Windows convert bed chambers into sleeping porches and back again instantly; thus avoiding the necessity of taking your bedding into the house in case of rain, as so often happens with the open porch.

Your porch, when equipped with Whitney Windows, may be converted from a screened porch to a glazed solarium and back again at a moment's notice.



Porch of a typical New Zealand home.

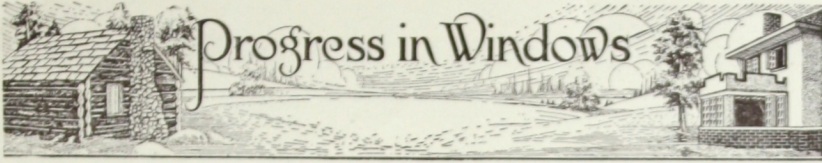


Same porch equipped with Whitney Windows.

Double-Glazed to Eliminate Storm Sash

Whitney Windows may be double-glazed with $\frac{1}{4}$ -inch space between glass and do away with storm sash.

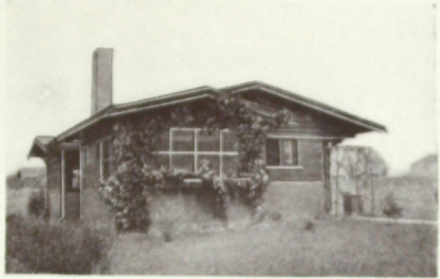
The $\frac{1}{4}$ -inch air space between the two thicknesses of glass is the most efficient air insulation. This space is sealed. Unless it is exposed from breaking of the putty there should be no clouding of inner surfaces. Should it be desired the inner glass may be easily removed.



Porch Glazing

No part of the home is enjoyed by all members of the family so much as a sun room that is bright and cozy in winter, and open and airy in summer.

Your open screened porch now serves you only a few months each year. The furniture must be waterproof, and consequently uncomfortable and uninviting. Decorating and draping are impossible.



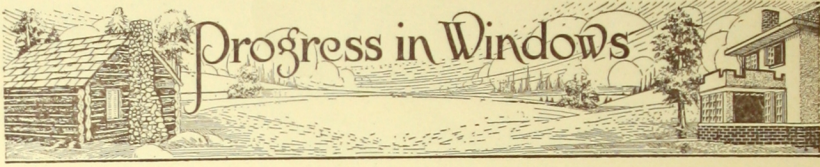
Glaze With Whitney Windows.

A small investment in Whitney Sash and Screens will transform this porch into a delightful year-around addition to the home, and permit the use of desirable furniture, rugs and draperies to the greatest comfort of the family. Full advantage may be taken of first warm spring days, with complete comfort when it is cooler.

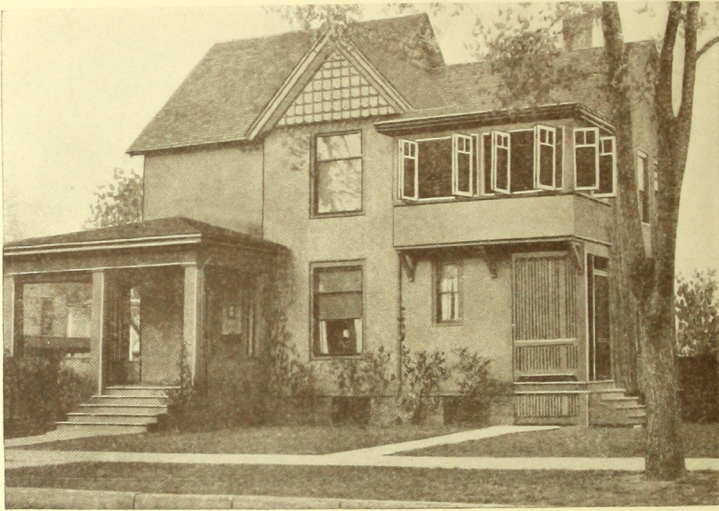
In planning your new home, have your porches glazed with Whitney Windows. Whitney porches are a permanent and enjoyable addition to any home.



This is the same home shown above after being equipped with Whitney Windows.



Construction Is Simple

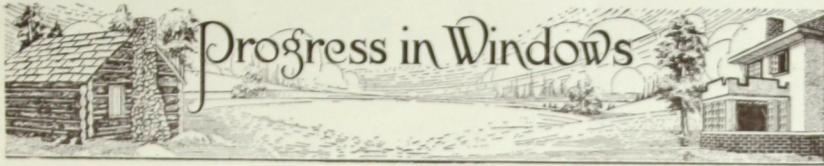


Showing how Whitney sleeping porch may be added to the average home.

We ship frames with sash fitted and screens attached all ready to set in the openings. Your local carpenter can complete the work of casing around frames, and if necessary boxing in space from the porch floor to the window sill.

Write our Service Department, sending dimensioned photo, sketch or details of your present porch, and let us show you how easily you can transform it at small cost into a permanent addition to your home.

This service is given without cost or obligation to you. We will estimate the entire cost and if you desire, arrange with your local carpenter to make you a contract price on the job complete.



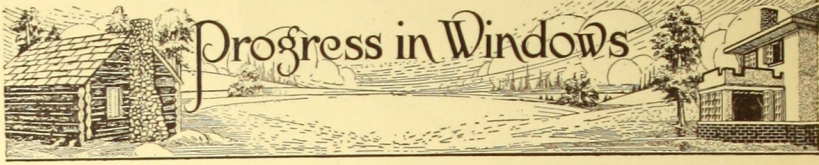
Whitney Windows on Hospitals



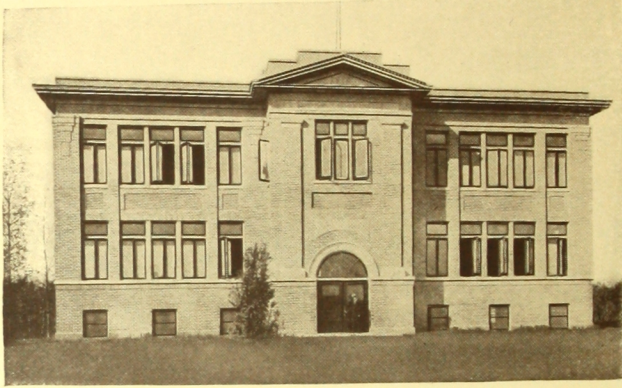
Whitney Windows have been used on many of the larger hospitals and are particularly adapted to this kind of work. Sun porches equipped with Whitney Windows can be closed when weather necessitates, or partially closed, giving full protection to the patients, and, when the weather permits, the full advantage of sunshine and fresh air.



Tubercular Sanitarium, Seattle, Wash.



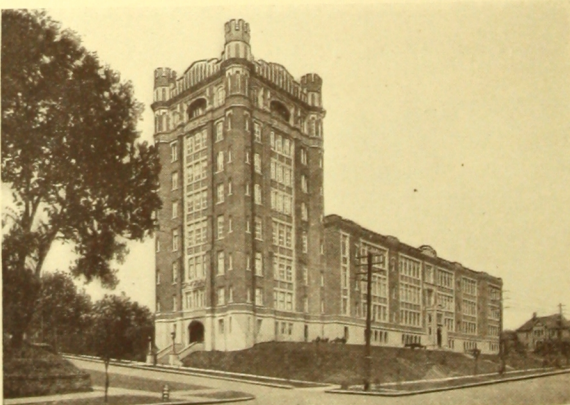
Whitney Windows for Schools



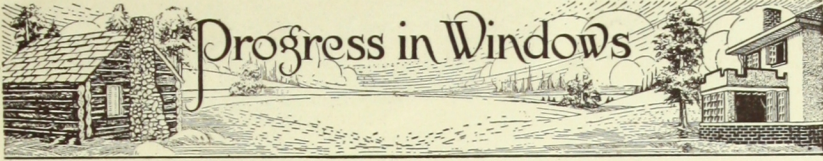
Modern No. Dakota District School.

Whitney Windows are being used on many of the largest and best schools where forced ventilation is used, as well as where natural ventilation is desired. Forced ventilation depends largely upon tightness of windows for complete satisfaction, consequently Whitney Windows are particularly desirable in buildings thus equipped.

With the advent of fresh air school rooms Whitney Windows are especially adaptable. By throwing open the Whitney Windows at recess periods the room can be filled with nature's own pure air in its natural state.



Central School, Tacoma, Washington, completely equipped with Whitney Windows.



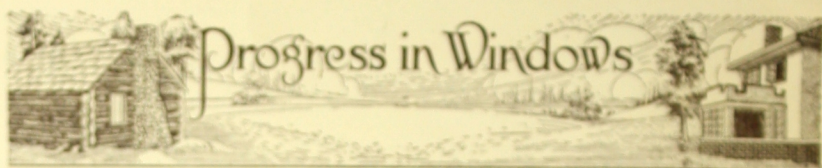
Whitney Windows For Hotels



Chancellor Hotel, San Francisco.

Whitney Windows in hotels have proven wonderfully successful. The principal complaint of the travelling public with the ordinary hotel window is the fact that full ventilation in warm weather is impossible because of the limited window provisions.

With Whitney Windows the entire opening may be exposed to the entrance of fresh air, and the sash so arranged as to deflect the breezes into the room, or shut out direct draft, as conditions justify.

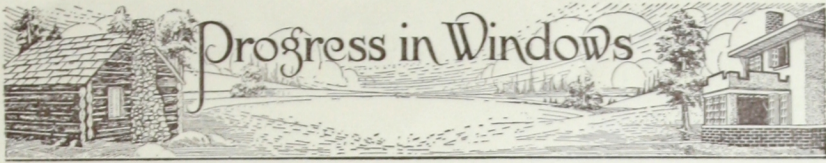


Whitney Windows for Public Buildings



Interstate Building, Kansas City, Mo.

Whitney Windows for office buildings and general commercial buildings have proven exceptionally satisfactory. Factories and offices properly ventilated not only contribute to the general health, but to the contentment and better work of all employees.



Ideal For Bungalows

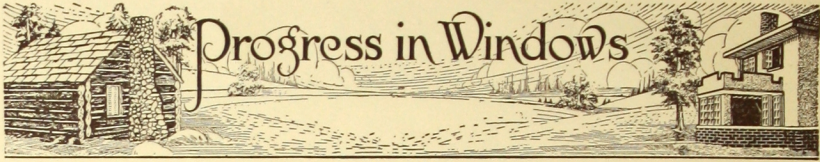


Whitney Windows add materially to the appearance of bungalows by eliminating many of the seemingly horizontal lines. They add to the apparent height of the building and artistic effect.

Bungalows require full and free ventilation because of the small space between roof and living rooms. Consequently Whitney Windows add much to bungalow comfort.

In fact the hunting lodge, the town house, the store, hospital and garage are all improved and made more enjoyable by the use of Whitney Windows.





Whitney Windows Supplied Complete

The architect will approve of Whitney Casement Window operation as being the most practical wood frame construction where tightness, wide, unobstructed openings and full ventilation are desired.

We have arranged to ship Whitney Windows—including frames, sash, screens and hardware—complete and ready to be set in the opening by your contractors. The prices in the back of this booklet will enable you to estimate the cost in advance.

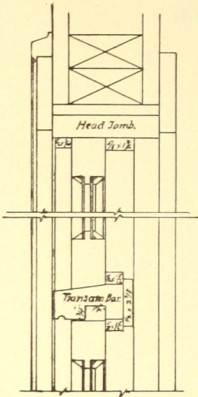
Special Sash if Desired.

For ordinary porch glazing and general remodeling work we believe the stock frames and sash cataloged here will serve your requirements. If special design in sash or frame opening is necessary, or if your architect has specified different designs, write us for quotation. Our Service Department is at your disposal.

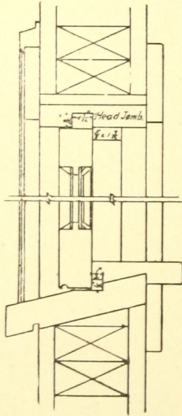
Service Free.

Our Service Department will gladly co-operate with your architect or with your contractor. Thus you may have the benefit of our experience and obtain the most efficient equipment and practical application of windows to your individual requirements. This service is rendered free of cost and without obligation. Write us.

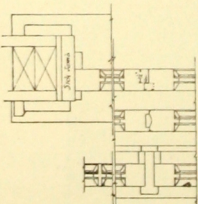
WHITNEY WINDOW CORPORATION,
Minneapolis, Minn.



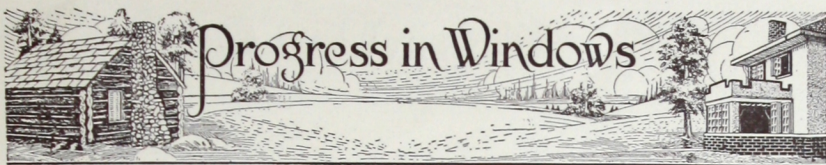
Cross Section Showing Transom



Cross Section of Frames without Transom.



Side Construction shows detail of sash joining.
Note: No inside casing except stool supplied on above



Whitney Window Mill Work

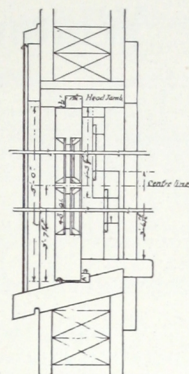
Mill work supplied by us has been carefully planned and materials inspected. It is fitted in our factory with Whitney Hardware by factory experts. This guarantees your entire satisfaction.

The sash are built with detachable strip in place of ordinary inside sticking. When single glazed sash are purchased they can be double glazed later by merely having this strip pried up, extra glass supplied and strip reset. Many other features of the mill work have been specially designed to anticipate your wishes.

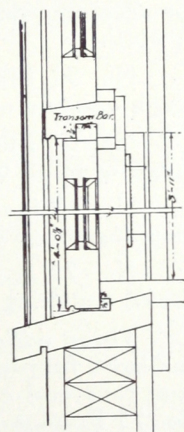
Hardware Alone if Desired.

If you prefer to order your mill work elsewhere we will gladly supply proper details upon request. Hardware will be supplied with full fitting instructions so that your carpenter can make installation. For prices and information regarding Whitney Hardware, see page 31.

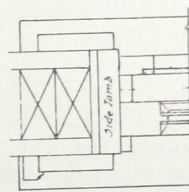
In buying complete units fitted at the factory, you avoid the necessity of shopping for the various parts of the equipment desired. Thus you get factory fitting of hardware, save unnecessary experimenting by your carpenter with this new method of sash operation, reduce the cost to the lowest possible point, quality considered, and are sure of satisfactory operation.



Showing Screen Operation where no transom is used.

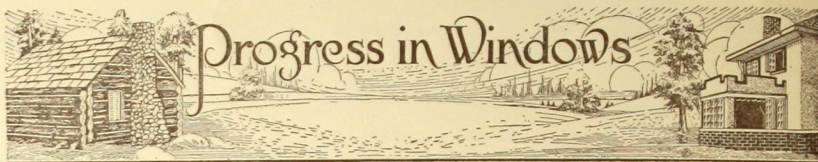


Showing Screen Operation where transom is used.

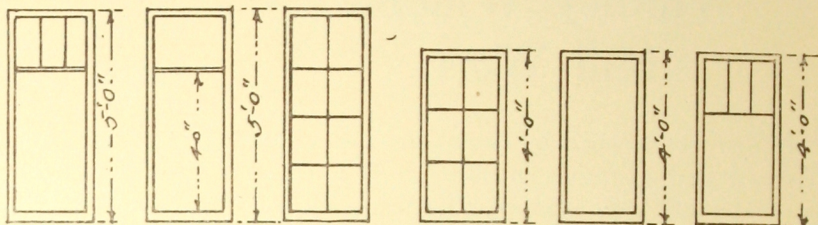


Showing Screen Operation on Side Jam.

Note: Dotted line indicates position of top screen when used.



Whitney Window Specifications



Frames, sash and screens are supplied by us fitted with Whitney Operating Hardware of any of the three grades. From the prices herein you can figure your own cost of this material in advance.

Frames are supplied in four heights, and all widths necessary for accommodating 1, 2, 3, or 4 sash of 18, 21 or 24 inches each in width.

No. 51 Frame is for sash 4 feet in height and will require a rough opening of approximately 51 inches in height.

No. 63 Frame is for sash 5 feet in height and will require a rough opening 63 inches high.

No. 69 is supplied with sash 4 feet high with transom above, requiring rough opening 69 inches in height.

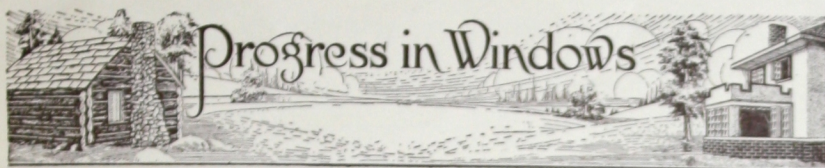
No. 75 is supplied with sash 4 feet in height, with transom above, requiring a rough opening 75 inches high.

Three designs of sash are stocked for No. 51 Frame, either one-light, four-light or six-light. Three designs with No. 63 Frame, two, four and eight-light sash, and two designs with No. 69 and No. 75 Frames, one-light and six-light sash.

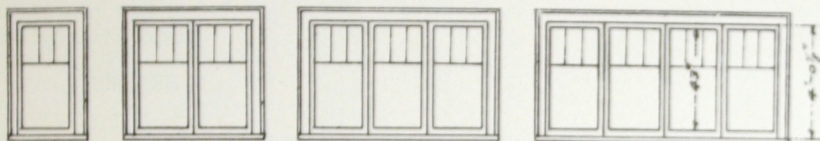
The various combinations and widths of sash will enable you to fill practically any opening without difficulty, and at a cost which will justify your going ahead with the work right now.

Terms.

Orders for material must be accompanied by check or exchange for 25% of the amount of the order, balance to be paid Sight Draft with Bill of Lading attached. All prices quoted are F. O. B. Minneapolis unless otherwise indicated. Discount of 2½% allowed for cash in full with order. Satisfactory references as to our responsibility will be supplied if desired.



No. 51 Frames—are supplied with sash 4 feet in height requiring rough opening 51 inches high and in width 3 inches more than total width of sash.



These frames are made to accommodate one, two, three or four sash of 18, 21 or 24 inches each in width.

Choice of either one-light, four-light or six-light sash. Four-light will be supplied unless otherwise specified.

When ordered, screens for No. 51 Frames are two-piece up-sliding, with meeting rail opposite top cross bar of sash, or where one-light sash is used about one foot from top of sash. Black wire screen is quoted.

PRICE LIST.

Note: All prices quoted include frame and sash, fitted with Whitney Operating Hardware of the type indicated. (See page 31 for description of hardware.)

S. G. in the number indicates Single Glazed Sash.

D. G. in the number indicates Double Glazed Sash.

Stool is supplied with frames, but no inside casings.

NO. 51—ONE-SASH FRAMES.

(Without Screens.)

	Sash Width	Rough Opening Width	Hardware		
			Type S	Type SB	Type B
No. 51SG1.....	18"	21"			
No. 51SG1.....	21"	24"			
No. 51SG1.....	24"	27"			
No. 51DGI.....	18"	21"			
No. 51DGI.....	21"	24"			
No. 51DGI.....	24"	27"			

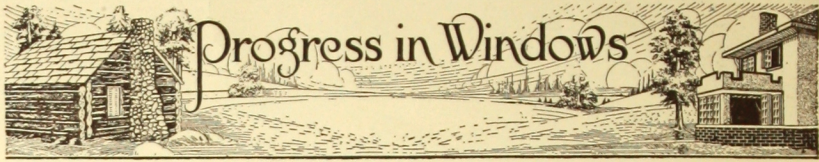
QUOTATIONS
ON
REQUEST

(With Screens—including screen hardware and fitting.)

No. 51SG1.....	18"	21"			
No. 51SG1.....	21"	24"			
No. 51SG1.....	24"	27"			
No. 51DGI.....	18"	21"			
No. 51DGI.....	21"	24"			
No. 51DGI.....	24"	27"			

QUOTATIONS
ON
REQUEST

(Prices subject to change without notice.)



NO. 51—TWO-SASH FRAMES.

(Without Screens.)

	Sash Width	Rough Opening Width	Hardware		
			Type S	Type SB	Type B
No. 51SG2.....	18"	39"			
No. 51SG2.....	21"	45"			
No. 51SG2.....	24"	51"			
No. 51DG2.....	18"	39"			
No. 51DG2.....	21"	45"			
No. 51DG2.....	24"	51"			

QUOTATIONS
ON
REQUEST

(With Screens—including screen hardware and fitting.)

No. 51SG2.....	18"	39"			
No. 51SG2.....	21"	45"			
No. 51SG2.....	24"	51"			
No. 51DG2.....	18"	39"			
No. 51DG2.....	21"	45"			
No. 51DG2.....	24"	51"			

QUOTATIONS
ON
REQUEST

NO. 51—THREE-SASH FRAMES.

(Without Screens.)

	Sash Width	Rough Opening Width	Hardware		
			Type S	Type SB	Type B
No. 51SG3.....	18"	57"			
No. 51SG3.....	21"	66"			
No. 51SG3.....	24"	75"			
No. 51DG3.....	18"	57"			
No. 51DG3.....	21"	66"			
No. 51DG3.....	24"	75"			

QUOTATIONS
ON
REQUEST

(With Screens—including screen hardware and fitting.)

No. 51SG3.....	18"	57"			
No. 51SG3.....	21"	66"			
No. 51SG3.....	24"	75"			
No. 51DG3.....	18"	57"			
No. 51DG3.....	21"	66"			
No. 51DG3.....	24"	75"			

QUOTATIONS
ON
REQUEST

NO. 51—FOUR-SASH FRAMES.

(Without Screens.)

	Sash Width	Rough Opening Width	Hardware		
			Type S	Type SB	Type B
No. 51SG4.....	18"	75"			
No. 51SG4.....	21"	87"			
No. 51SG4.....	24"	99"			
No. 51DG4.....	18"	75"			
No. 51DG4.....	21"	87"			
No. 51DG4.....	24"	99"			

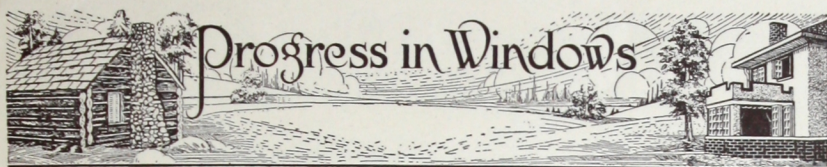
QUOTATIONS
ON
REQUEST

(With Screens—including screen hardware and fitting.)

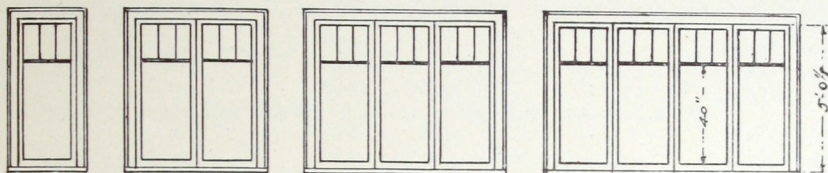
No. 51SG4.....	18"	75"			
No. 51SG4.....	21"	87"			
No. 51SG4.....	24"	99"			
No. 51DG4.....	18"	75"			
No. 51DG4.....	21"	87"			
No. 51DG4.....	24"	99"			

QUOTATIONS
ON
REQUEST

(Prices subject to change without notice.)



No. 63 Frames—are supplied with sash 5 feet high and require a rough opening approximately 63 inches in height, and in width 3 inches more than the total width of sash.



These frames are made to accommodate one, two, three or four sash of 18, 21 or 24 inches each in width.

Three designs of sash (see page 22) are carried for No. 63 Frames—two, four and eight-light. The four-light will be supplied unless otherwise specified.

Screens, when supplied with No. 63 Frames, are two-piece up-sliding, with meeting rail opposite top cross bar in sash. Black wire screen is quoted.

PRICE LIST.

Note: All prices quoted include frame and sash, fitted with Whitney Operating Hardware of the type indicated. (See page 31 for description of hardware.)

S. G. in the number indicates Single Glazed Sash.

D. G. in the number indicates Double Glazed Sash.

Stool is supplied with frames, but no inside casings.

NO. 63—ONE-SASH FRAMES.

(Without Screens.)

	Sash Width	Rough Opening Width	Hardware		
			Type S	Type SB	Type B
No. 63SG1.....	18"	21"			
No. 63SG1.....	21"	24"			
No. 63SG1.....	24"	27"			
No. 63DGI.....	18"	21"			
No. 63DGI.....	21"	24"			
No. 63DGI.....	24"	27"			

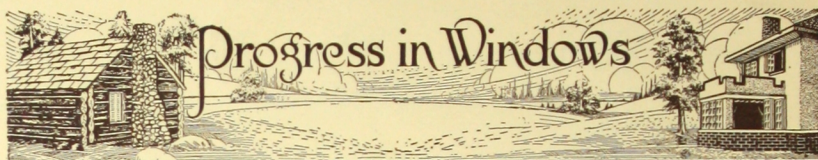
QUOTATIONS
ON
REQUEST

(With Screens—including screen hardware and fitting.)

No. 63SG1.....	18"	21"			
No. 63SG1.....	21"	24"			
No. 63SG1.....	24"	27"			
No. 63DGI.....	18"	21"			
No. 63DGI.....	21"	24"			
No. 63DGI.....	24"	27"			

QUOTATIONS
ON
REQUEST

(Prices subject to change without notice.)



NO. 63—TWO-SASH FRAMES.

(Without Screens.)

	Sash Width	Rough Opening Width	Hardware		
			Type S	Type SB	Type B
No. 63SG2.....	18"	39"			
No. 63SG2.....	21"	45"			
No. 63SG2.....	24"	51"			
No. 63DG2.....	18"	39"			
No. 63DG2.....	21"	45"			
No. 63DG2.....	24"	51"			

QUOTATIONS
ON
REQUEST

(With Screens—including screen hardware and fitting.)

No. 63SG2.....	18"	39"			
No. 63SG2.....	21"	45"			
No. 63SG2.....	24"	51"			
No. 63DG2.....	18"	39"			
No. 63DG2.....	21"	45"			
No. 63DG2.....	24"	51"			

QUOTATIONS
ON
REQUEST

NO. 63—THREE-SASH FRAMES.

(Without Screens.)

	Sash Width	Rough Opening Width	Hardware		
			Type S	Type SB	Type B
No. 63SG3.....	18"	57"			
No. 63SG3.....	21"	66"			
No. 63SG3.....	24"	75"			
No. 63DG3.....	18"	57"			
No. 63DG3.....	21"	66"			
No. 63DG3.....	24"	75"			

QUOTATIONS
ON
REQUEST

(With Screens—including screen hardware and fitting.)

No. 63SG3.....	18"	57"			
No. 63SG3.....	21"	66"			
No. 63SG3.....	24"	75"			
No. 63DG3.....	18"	57"			
No. 63DG3.....	21"	66"			
No. 63DG3.....	24"	75"			

QUOTATIONS
ON
REQUEST

NO. 63—FOUR-SASH FRAMES.

(Without Screens.)

	Sash Width	Rough Opening Width	Hardware		
			Type S	Type SB	Type B
No. 63SG4.....	18"	75"			
No. 63SG4.....	21"	87"			
No. 63SG4.....	24"	99"			
No. 63DG4.....	18"	75"			
No. 63DG4.....	21"	87"			
No. 63DG4.....	24"	99"			

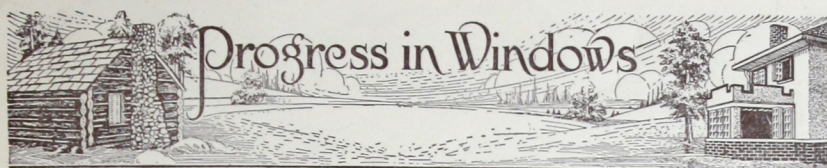
QUOTATIONS
ON
REQUEST

(With Screens—including screen hardware and fitting.)

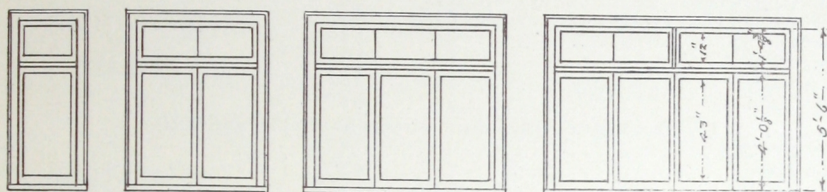
No. 63SG4.....	18"	75"			
No. 63SG4.....	21"	87"			
No. 63SG4.....	24"	99"			
No. 63DG4.....	18"	75"			
No. 63DG4.....	21"	87"			
No. 63DG4.....	24"	99"			

QUOTATIONS
ON
REQUEST

(Prices subject to change without notice.)



No. 69 Frames—are supplied with sash 4 feet in height with stationary transom sash above, and require a rough opening 69 inches high, and in width 3 inches more than the total width of sash.



These frames are made to accommodate one, two, three or four sash of 18, 21 or 24 inches in width.

Choice of either one-light or six-light sash (see page 22). Transom sash the same in either case, and unless otherwise specified the one-light sash will be supplied.

When ordered, screens for No. 69 Frames are one-piece up-sliding, past transom. No screen for transom. Black wire screen is quoted.

PRICE LIST.

Note: All prices quoted include frame and sash, fitted with Whitney Operating Hardware of the type indicated. (See page 31 for description of hardware.)

S. G. in the number indicates Single Glazed Sash.

D. G. in the number indicates Double Glazed Sash.

Stool is supplied with frames, but no inside casings.

NO. 69—ONE-SASH FRAMES.

(Without Screens.)

	Sash Width	Rough Opening Width	Hardware		
			Type S	Type SB	Type B
No. 69SG1.....	18"	21"			
No. 69SG1.....	21"	24"			
No. 69SG1.....	24"	27"			
No. 69DGI.....	18"	21"			
No. 69DGI.....	21"	24"			
No. 69DGI.....	24"	27"			

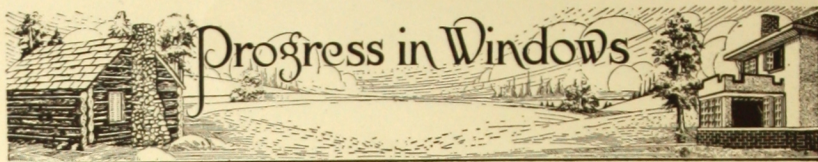
QUOTATIONS
ON
REQUEST

(With Screens—including screen hardware and fitting.)

No. 69SG1.....	18"	21"			
No. 69SG1.....	21"	24"			
No. 69SG1.....	24"	27"			
No. 69DGI.....	18"	21"			
No. 69DGI.....	21"	24"			
No. 69DGI.....	24"	27"			

QUOTATIONS
ON
REQUEST

(Prices subject to change without notice.)



NO. 69—TWO-SASH FRAMES.

(Without Screens.)

	Sash Width	Rough Opening Width	Hardware		
			Type S	Type SB	Type B
No. 69SG2.....	18"	39"	QUOTATIONS ON REQUEST		
No. 69SG2.....	21"	45"			
No. 69SG2.....	24"	51"			
No. 69DG2.....	18"	39"			
No. 69DG2.....	21"	45"			
No. 69DG2.....	24"	51"			

(With Screens—including screen hardware and fitting.)

No. 69SG2.....	18"	39"	QUOTATIONS ON REQUEST		
No. 69SG2.....	21"	45"			
No. 69SG2.....	24"	51"			
No. 69DG2.....	18"	39"			
No. 69DG2.....	21"	45"			
No. 69DG2.....	24"	51"			

NO. 69—THREE-SASH FRAMES.

(Without Screens.)

	Sash Width	Rough Opening Width	Hardware		
			Type S	Type SB	Type B
No. 69SG3.....	18"	57"	QUOTATIONS ON REQUEST		
No. 69SG3.....	21"	66"			
No. 69SG3.....	24"	75"			
No. 69DG3.....	18"	57"			
No. 69DG3.....	21"	66"			
No. 69DG3.....	24"	75"			

(With Screens—including screen hardware and fitting.)

No. 69SG3.....	18"	57"	QUOTATIONS ON REQUEST		
No. 69SG3.....	21"	66"			
No. 69SG3.....	24"	75"			
No. 69DG3.....	18"	57"			
No. 69DG3.....	21"	66"			
No. 69DG3.....	24"	75"			

NO. 69—FOUR-SASH FRAMES.

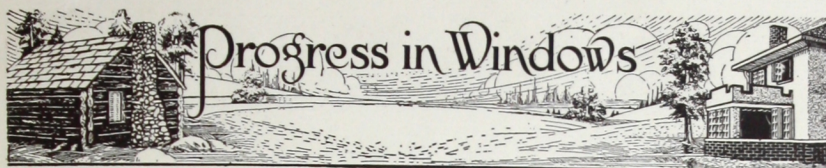
(Without Screens.)

	Sash Width	Rough Opening Width	Hardware		
			Type S	Type SB	Type B
No. 69SG4.....	18"	75"	QUOTATIONS ON REQUEST		
No. 69SG4.....	21"	87"			
No. 69SG4.....	24"	99"			
No. 69DG4.....	18"	75"			
No. 69DG4.....	21"	87"			
No. 69DG4.....	24"	99"			

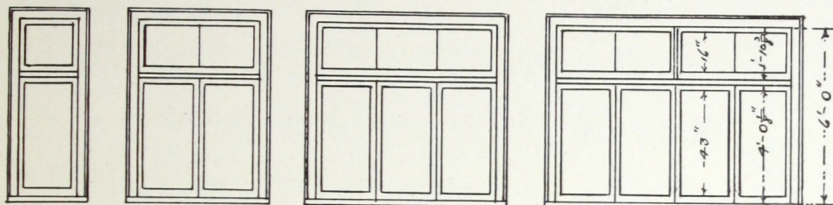
(With Screens—including screen hardware and fitting.)

No. 69SG4.....	18"	75"	QUOTATIONS ON REQUEST		
No. 69SG4.....	21"	87"			
No. 69SG4.....	24"	99"			
No. 69DG4.....	18"	75"			
No. 69DG4.....	21"	87"			
No. 69DG4.....	24"	99"			

(Prices subject to change without notice.)



No. 75 Frames—are supplied with sash 4 feet in height with stationary transom above, and require a rough opening 75 inches high, and in width 3 inches more than the total width of sash.



These frames are made to accommodate one, two, three or four sash of 18, 21 or 24 inches in width.

Choice of either one-light or six-light sash. Transom sash the same in either case. One-light sash will be supplied unless otherwise specified.

When ordered, screens for No. 75 Frames are one-piece up-sliding, past transom. No screen for transom. Black wire screen is quoted.

PRICE LIST.

Note: All prices quoted include frame and sash, fitted with Whitney Operating Hardware of the type indicated. (See page 31 for description of hardware.)

S. G. in the number indicates Single Glazed Sash.

D. G. in the number indicates Double Glazed Sash.

Stool is supplied with frames, but no inside casings.

NO. 75—ONE-SASH FRAMES.

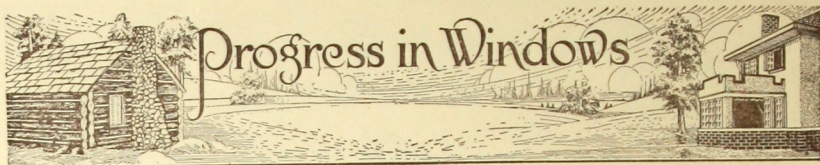
(Without Screens.)

	Sash Width	Rough Opening Width	Hardware		
			Type S	Type SB	Type B
No. 75SG1.....	18"	21"	QUOTATIONS ON REQUEST		
No. 75SG1.....	21"	24"			
No. 75SG1.....	24"	27"			
No. 75DG1.....	18"	21"			
No. 75DG1.....	21"	24"			
No. 75DG1.....	24"	27"			

(With Screens—including screen hardware and fitting.)

No. 75SG1.....	18"	21"	QUOTATIONS ON REQUEST		
No. 75SG1.....	21"	24"			
No. 75SG1.....	24"	27"			
No. 75DG1.....	18"	21"			
No. 75DG1.....	21"	24"			
No. 75DG1.....	24"	27"			

(Prices subject to change without notice.)



NO. 75—TWO-SASH FRAMES.

(Without Screens.)

	Sash Width	Rough Opening Width	Hardware		
			Type S	Type SB	Type B
No. 75SG2.....	18"	39"			
No. 75SG2.....	21"	45"			
No. 75SG2.....	24"	51"			
No. 75DG2.....	18"	39"			
No. 75DG2.....	21"	45"			
No. 75DG2.....	24"	51"			

QUOTATIONS
ON
REQUEST

(With Screens—including screen hardware and fitting.)

No. 75SG2.....	18"	39"			
No. 75SG2.....	21"	45"			
No. 75SG2.....	24"	51"			
No. 75DG2.....	18"	39"			
No. 75DG2.....	21"	45"			
No. 75DG2.....	24"	51"			

QUOTATIONS
ON
REQUEST

NO. 75—THREE-SASH FRAMES.

(Without Screens.)

	Sash Width	Rough Opening Width	Hardware		
			Type S	Type SB	Type B
No. 75SG3.....	18"	57"			
No. 75SG3.....	21"	66"			
No. 75SG3.....	24"	75"			
No. 75DG3.....	18"	57"			
No. 75DG3.....	21"	66"			
No. 75DG3.....	24"	75"			

QUOTATIONS
ON
REQUEST

(With Screens—including screen hardware and fitting.)

No. 75SG3.....	18"	57"			
No. 75SG3.....	21"	66"			
No. 75SG3.....	24"	75"			
No. 75DG3.....	18"	57"			
No. 75DG3.....	21"	66"			
No. 75DG3.....	24"	75"			

QUOTATIONS
ON
REQUEST

NO. 75—FOUR-SASH FRAMES.

(Without Screens.)

	Sash Width	Rough Opening Width	Hardware		
			Type S	Type SB	Type B
No. 75SG4.....	18"	75"			
No. 75SG4.....	21"	87"			
No. 75SG4.....	24"	99"			
No. 75DG4.....	18"	75"			
No. 75DG4.....	21"	87"			
No. 75DG4.....	24"	99"			

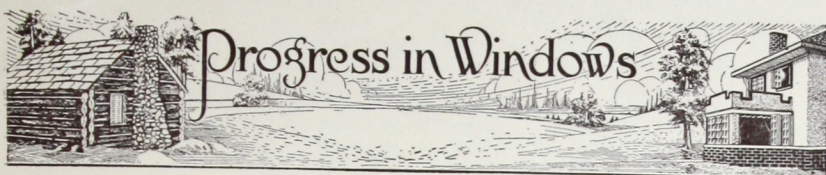
QUOTATIONS
ON
REQUEST

(With Screens—including screen hardware and fitting.)

No. 75SG4.....	18"	75"			
No. 75SG4.....	21"	87"			
No. 75SG4.....	24"	99"			
No. 75DG4.....	18"	75"			
No. 75DG4.....	21"	87"			
No. 75DG4.....	24"	99"			

QUOTATIONS
ON
REQUEST

(Prices subject to change without notice.)



Whitney Casement Window Hardware

When so desired, Whitney Casement Window Hardware may be purchased separately.
It is made in three grades:

Type B—Solid brass thruout except for a few screws and minor parts, which are made of other material for additional strength.

Type S-B—Solid brass sill track and fittings of steel and iron brass plated.

Type S—Sherardized steel sill track and fittings similar to type S-B.

The finish of all three grades corresponds with Corbin's KA or brush brass finish. Special finish will be furnished at a cost of approximately 10% additional to cover plating.

In most cases old casement windows, either inswinging or outswinging, can be fitted with Whitney Casement Window Hardware without new mill work except a few simple stops. Usually present screens also may be used. Write us, enclosing detail of present frames and sash.

WHITNEY CASEMENT WINDOW HARDWARE.

Net Price List.

12-31-1919

(For Single Windows.)

					Type S	Type SB	Type B
For openings not over	15	inches wide.	Per set....		\$3.50	\$4.00	\$5.15
" " " "	18	" "	" "		3.70	4.25	5.40
" " " "	21	" "	" "		3.85	4.60	5.70
" " " "	24	" "	" "		4.00	5.00	6.30
" " " "	27	" "	" "		4.25	5.40	6.85
" " " "	30	" "	" "		4.50	5.70	7.40

(For Double Windows.)

					Type S	Type SB	Type B
For openings not over	36	inches wide.	Per set....		\$4.25	\$5.85	\$7.00
" " " "	42	" "	" "		4.50	6.25	7.50
" " " "	48	" "	" "		4.75	6.50	8.00
" " " "	54	" "	" "		5.00	6.85	8.50
" " " "	60	" "	" "		5.25	7.20	9.00

Screen Hardware.

With Brass Handles. Per set, complete.....\$1.00
With Brass Plated Handles. Per set, complete..... .75

Our Service Department will be glad to quote on your requirements if you will just send us sketch of proposed window groupings with dimensions.

(Prices subject to change without notice.)

